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BEARING STRUCTURE IN TRANSMISSION FOR VEHICLE

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INVENTOR(s): KATO EIJI
 SAKAKIBARA SHIRO
APPLICANT(s): AISIN WARNER LTD [398968] (A Japanese Company or Corporation), JP (Japan)
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ABSTRACT

PURPOSE: To shorten the axial dimension and provide a compact bearing structure for enabling a synchrojoint to be easily located in double shaft type infinitely variable transmission by arranging axially doubly a spline formed on a transmission shaft and an oil seal.

CONSTITUTION: A metal 21A providing a slide bearing surface of an oil seal at the engine side of a shoulder 213 of an input shaft located inside a boss 651 in the central portion of a side wall 65 is fitted onto a spline 21S formed on the engine side of the input shaft to overlap said spline. The oil seal 8 has the tubular portion 83 fitted onto the boss 651 and the lip 87 fitted onto the metal 21A. A bearing 211 is interposed between the tubular portion 83 and the lip 87 to overlap axially on them. Thus, since the spline of the input shaft and the oil seal are arranged to overlap axially on each other, the axial dimension can be shortened to provide a compact bearing structure so that a synchrojoint can be located easily in a double shaft type infinitely variable transmission.

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